

Title (en)

STAGGERED PARALLEL TRANSMISSION RADIO FREQUENCY COIL FOR MAGNETIC RESONANCE IMAGING

Title (de)

VERSCHACHTELTE HOCHFREQUENZSPULE ZUR PARALLELEN ANREGUNG IN DER MAGNETRESONANZTOMOGRAFIE

Title (fr)

BOBINE RADIOFRÉQUENCE PAR TRANSMISSION PARALLÈLE ÉTAGÉE POUR IMAGERIE PAR RÉSONANCE MAGNÉTIQUE

Publication

**EP 3428672 A1 20190116 (EN)**

Application

**EP 18180410 A 20180628**

Priority

US 201715645984 A 20170710

Abstract (en)

Methods and systems 10 are provided for radio frequency (RF) coils 14 for magnetic resonance imaging (MRI) systems. In one embodiment, an RF coil 14 configured for an MRI system 10 comprises a plurality of RF coil conductors 403, each RF coil conductor 403 comprising a base side 411 with two arms 412,413 extending therefrom. In this way, the RF coil 14 may efficiently generate magnetic fields with improved channel isolation while producing fewer annefact artifacts.

IPC 8 full level

**G01R 33/34** (2006.01); **G01R 33/3415** (2006.01); **G01R 33/422** (2006.01)

CPC (source: CN EP US)

**G01R 33/34007** (2013.01 - EP US); **G01R 33/34046** (2013.01 - EP US); **G01R 33/34092** (2013.01 - US); **G01R 33/341** (2013.01 - US); **G01R 33/3415** (2013.01 - EP US); **G01R 33/36** (2013.01 - CN US); **G01R 33/3614** (2013.01 - CN); **G01R 33/3815** (2013.01 - US); **G01R 33/422** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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**EP 18180410 A 20180628**; CN 201810754097 A 20180710; US 201715645984 A 20170710